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### 1 [Posters: Are web pages characterized by color?](#)

Norifumi Murayama, Suguru Saito, Manabu Okumura

 May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters**

 Full text available: [pdf\(144.40 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

When human guess the content of a web page, not only the text on the page but also its appearance is an important factor. However, there have been few studies on the relationship between the content and visual appearance of a web page. We investigating the tendency between them, especially web content and color use, we found a tendency to use color for some kinds of content pages. We think this result opens the way to estimating web content using color information.

**Keywords:** color, contents of web page

### 2 [Color gamut mapping and the printing of digital color images](#)

Maureen C. Stone, William B. Cowan, John C. Beatty

 October 1988 **ACM Transactions on Graphics (TOG)**, Volume 7 Issue 4

 Full text available: [pdf\(6.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Principles and techniques useful for calibrated color reproduction are defined. These results are derived from a project to take digital images designed on a variety of different color monitors and accurately reproduce them in a journal using digital offset printing. Most of the images printed were reproduced without access to the image as viewed in its original form; the color specification was derived entirely from calorimetric specification. The techniques described here are not specific ...

### 3 [A multiscale model of adaptation and spatial vision for realistic image display](#)

Sumanta N. Pattanaik, James A. Ferwerda, Mark D. Fairchild, Donald P. Greenberg

 July 1998 **Proceedings of the 25th annual conference on Computer graphics and interactive techniques**

 Full text available: [pdf\(1.59 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** adaptation, realistic imaging, spatial vision, tone reproduction, visual perception

#### 4 Session P6: displays and color maps: The "Which Blair Project": a quick visual method for evaluating perceptual color maps



Bernice E. Rogowitz, Alan D. Kalvin

October 2001 **Proceedings of the conference on Visualization '01**

Full text available: pdf(408.79 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Publisher Site

We have developed a fast, perceptual method for selecting color scales for data visualization that takes advantage of our sensitivity to luminance variations in human faces. To do so, we conducted experiments in which we mapped various color scales onto the intensity values of a digitized photograph of a face and asked observers to rate each image. We found a very strong correlation between the perceived naturalness of the images and the degree to which the underlying color scales increased mon ...

**Keywords:** human color vision, internet color, perceptual color scales, visual artifacts in visualization

#### 5 Transferring color to greyscale images



Tomihisa Welsh, Michael Ashikhmin, Klaus Mueller

July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques**, Volume 21 Issue 3

Full text available: pdf(4.03 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We introduce a general technique for "colorizing" greyscale images by transferring color between a source, color image and a destination, greyscale image. Although the general problem of adding chromatic values to a greyscale image has no exact, objective solution, the current approach attempts to provide a method to help minimize the amount of human labor required for this task. Rather than choosing RGB colors from a palette to color individual components, we transfer the entire color "mood" of ...

**Keywords:** color, image processing, texture synthesis, video

#### 6 Colour, rendering and tone-mapping: A tone mapping algorithm for high contrast images



Michael Ashikhmin

July 2002 **Proceedings of the 13th Eurographics workshop on Rendering**

Full text available: pdf(3.05 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A new method is presented that takes as an input a high dynamic range image and maps it into a limited range of luminance values reproducible by a display device. There is significant evidence that a similar operation is performed by early stages of human visual system (HVS). Our approach follows functionality of HVS without attempting to construct its sophisticated model. The operation is performed in three steps. First, we estimate local adaptation luminance at each point in the image. Then, a ...

#### 7 Reception and posters: Colour picking: the pecking order of form and function



Frank Nack, Amit Manniesing, Lynda Hardman

November 2003 **Proceedings of the eleventh ACM international conference on Multimedia**

Full text available: pdf(399.89 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Multimedia presentation generation has to be able to balance the functional aspects of a presentation that address the information needs of the user and its aesthetic form. We demonstrate our approach using automatic colour design for which we integrate relevant

aspects of colour theory. We do not provide a definition of the relative importance of form versus function, but seek to explore the roles of subjective elements in the generation process.

**Keywords:** automatic colour design, colour harmonisation, multimedia semantics, style-driven multimedia presentation generation

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**1 Palette's plunder**

*Thomas, B.;*

Internet Computing, IEEE , Volume: 2 , Issue: 2 , March-April 1998

Pages:87 - 89

[\[Abstract\]](#)   [\[PDF Full-Text \(240 KB\)\]](#)   IEEE JNL

**2 Limited color display for compressed image and video**

*Soo-Chang Pei; Ching-Min Cheng; Lung-Feng Ho;*

Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 10 , Issue: 6 , Sept. 2000

Pages:913 - 922

[\[Abstract\]](#)   [\[PDF Full-Text \(2524 KB\)\]](#)   IEEE JNL

**3 Limited color display for compressed video**

*Ching-Min Cheng; Soo-Chang Pei; Lung-Feng Ho;*

Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE International Symposium on , Volume: 2 , 28-31 May 2000

Pages:285 - 288 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(400 KB\)\]](#)   IEEE CNF

**4 Color superhistograms for video representation**

*Dimitrova, N.; Martino, J.; Agnihotri, L.; Elenbaas, H.;*

Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on , Volume: 3 , 24-28 Oct. 1999

Pages:314 - 318 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(561 KB\)\]](#)   IEEE CNF



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Tomihisa Welsh, Michael Ashikhmin, Klaus Mueller

 July 2002 **ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques**, Volume 21 Issue 3
Full text available:  pdf(4.03 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We introduce a general technique for "colorizing" greyscale images by transferring color between a source, color image and a destination, greyscale image. Although the general problem of adding chromatic values to a greyscale image has no exact, objective solution, the current approach attempts to provide a method to help minimize the amount of human labor required for this task. Rather than choosing RGB colors from a palette to color individual components, we transfer the entire color "mood" of ...

**Keywords:** color, image processing, texture synthesis, video

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